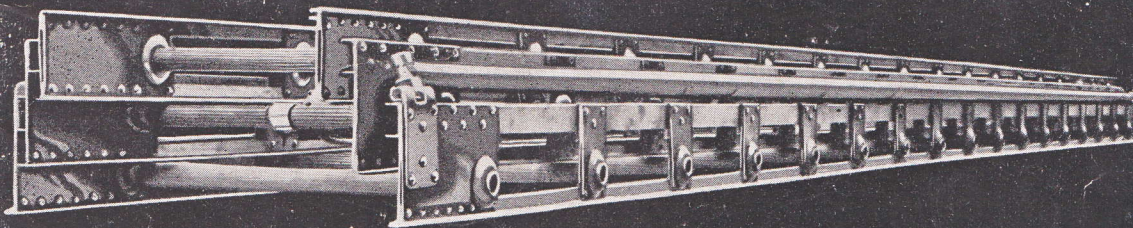


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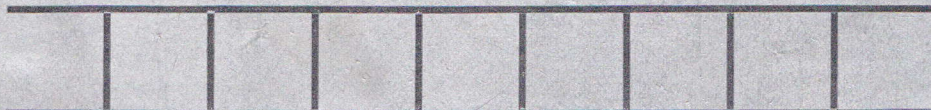
ALUMINUM LADDER



**CATALOGUE NUMBER TWO
ISSUED JULY 1, 1937**

By the

ALUMINUM LADDER COMPANY



T A R E N T U M ~ ~ ~ P E N N S Y L V A N I A

FOREWORD

THE HISTORY OF THE ALUMINUM LADDER

The construction of a new building in 1925 at Pittsburgh, Pennsylvania saw many new developments and innovations in construction; notable was the lavish use of Aluminum for decorative and practical use. It found its way into many products that had heretofore been made of steel, iron, and wood.

Among the new products to command attention was a ladder constructed of Aluminum. The ladder proved to be much stronger than those made of wood and weighed only about one-half as much as other type ladders in use at that time.

The advantages of this ladder encouraged Mr. S. H. Carbis to venture into this field and so an Aluminum Ladder was built for fire fighting equipment. The ladder was made for the New Kensington, Pennsylvania, Fire Department. It created a sensation and brought so many inquiries that a small company with Mr. S. H. Carbis, as president, was formed in August, 1935, for the purpose of building and developing ladders made of Aluminum.

The first experimental order was to equip the New Kensington Fire Department completely with Fire Ladders made of Aluminum. This equipment included 12 to 20 ft. single wall ladders and 35 to 50 ft. extension ladders.

About this time the new Presbyterian Church at the corner of Highland and Penn Avenues, Pittsburgh, had need of a large 50 ft. Ladder. This constituted our first sale. Other sales were soon to follow. With the funds derived from these first few sales, we ordered a supply of printed folders and mailed these to the various fire departments throughout the United States as we felt at that time our field was mainly for fire fighting equipment.

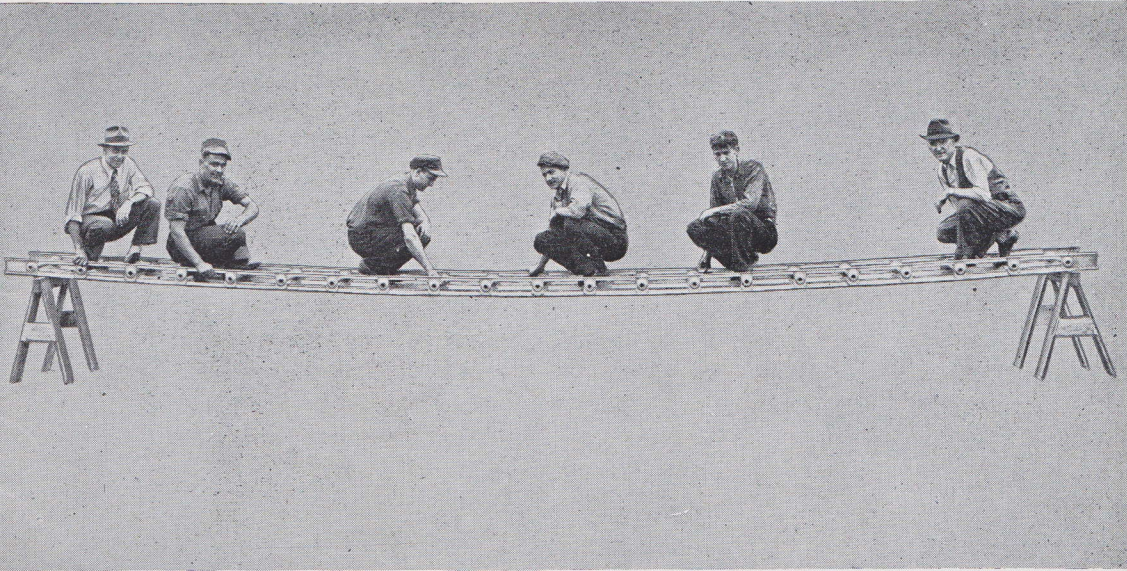
From the first mailing of these folders came a flood of orders and inquiries to build these ladders for other purposes. A circus ordered a set for a flying trapeze act; fruit pickers wanted them for work in the orchards; dairies wanted them because they could be scalded with live steam to keep them sanitary at all times; breweries and distilleries needed them for the same reason.

Powder Plants and Refineries asked for this new ladder because Aluminum cannot throw a spark. Department Stores wanted them because they presented an attractive appearance, and soon housewives were asking for step ladders as they were lighter, safer, and free from splinters.

The constant demand has pressed our plant and engineers to supply the ever growing demand. However, we are making every effort to develop this new product that industry and the public may generally benefit by the many advantages of Aluminum Ladders.

Single Wall Ladders

TYPE SL



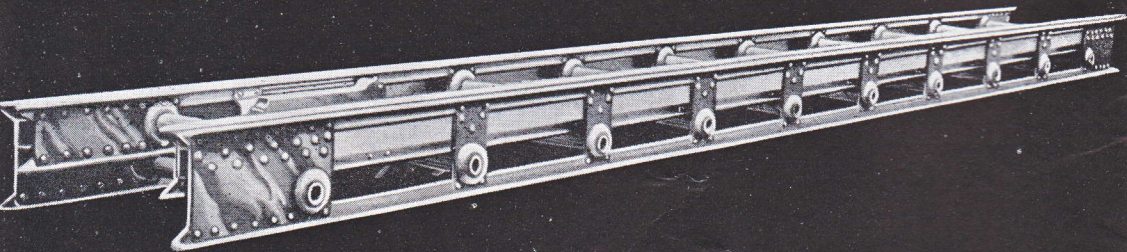
Aluminum Ladders are approximately 100 per cent stronger than wood ladders of the same size, affording a tremendously greater margin of safety with a resultant lessening of accidents. The above illustration of our SL type conclusively proves the superior strength of the Aluminum Ladder. This 24 ft. model weighs only 38 pounds and easily supports the weight of six men. Note that this Ladder is suspended horizontally and shows a deflection of only three inches, a severe test indeed. And the above is all the more amazing when one considers that this Ladder weighs only one-half as much as a wood ladder of the same size.

Type SL Specifications

	Length	Width	Thickness	Approx. Wgt.
SL 1	10 Ft.	16 In.	3¾ In.	12 Pounds
SL 2	12 "	16 "	3¾ "	14 "
SL 3	14 "	16 "	3¾ "	16 "
SL 4	16 "	16 "	3¾ "	20 "
SL 5	18 "	18 "	4¼ "	24 "
SL 6	20 "	18 "	4¼ "	28 "
SL 7	22 "	18 "	4¼ "	40 "
SL 8	24 "	24 "	4½ "	46 "
SL 9	26 "	24 "	4½ "	52 "
SL 10	28 "	24 "	5 "	59 "
SL 11	30 "	24 "	5 "	66 "
SL 12	32 "	24 "	6 "	68 "
SL 13	34 "	24 "	6 "	95 "
SL 14	36 "	24 "	6 "	110 "

Patent No. 2040977

Two Section Heavy Duty Extension Ladders TYPE 2 EL



Type 2EL Ladders are built especially for fire fighting equipment and other uses where a Ladder of great strength is required. They may be had in lengths up to fifty-five feet.

Type 2EL Ladders are supplied with locks, pulley and rope. All rungs are corrugated to prevent slipping, with rungs spaced fourteen inches apart unless otherwise specified. Forty foot Ladders and over require stay-poles.

This type Ladder measures inside width twenty inches, outside width twenty-four inches. If your requirements are for a narrower width ladder, we can furnish it to your specifications without additional cost.

Type 2EL Ladders have a four and one-half ($4\frac{1}{2}$) foot lap so that the combined length of both Ladders is four and one-half ($4\frac{1}{2}$) feet longer than the chart size given below:

Type 2 EL Specifications

	Length	Width	Thickness	Approx. Wgt.
2 EL 1	18 Ft.	24 In.	6 $\frac{1}{4}$ In.	54 Pounds
2 EL 2	20 "	24 "	6 $\frac{1}{4}$ "	62 "
2 EL 3	24 "	24 "	6 $\frac{1}{4}$ "	71 "
2 EL 4	30 "	24 "	6 $\frac{3}{4}$ "	80 "
2 EL 5	35 "	24 "	6 $\frac{3}{4}$ "	90 "
2 EL 6	40 "	24 "	6 $\frac{3}{4}$ "	105 "
2 EL 7	45 "	24 "	7 $\frac{3}{4}$ "	130 "
2 EL 8	50 "	24 "	7 $\frac{3}{4}$ "	160 "
2 EL 9	55 "	24 "	7 $\frac{3}{4}$ "	180 "

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Aluminum Ladders do not break or snap when overloaded. They do "give or bend" under very heavy strain, thus affording a much greater margin of safety.

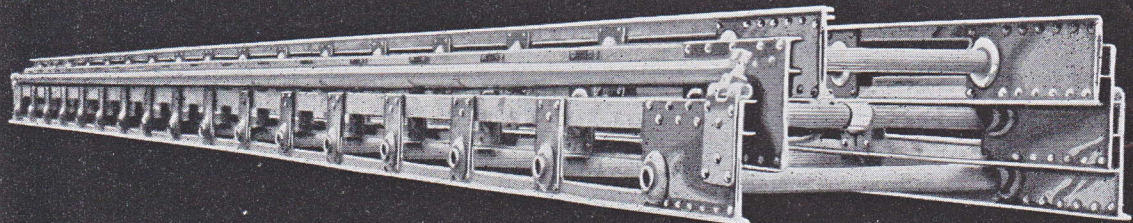
This feature is particularly important in extension Ladders, which present the greatest hazard due to the fact that they are used to reach great heights. The Type 2 EL Ladder we have designed and built is quite the strongest Ladder it is possible to build using a light weight material. It is entirely possible for three inexperienced men to quickly raise a fifty foot Ladder of this type.

The above illustration shows a Ladder of the 2 EL type ready for use.

Patent No. 2040977

Three Section Heavy Duty Extension Ladders

TYPE 3 EL



Our type 3 EL Three Section Ladder offers many advantages.

It is compact, and yet, while extremely rugged and strongly constructed, it is easier to raise than a two section Ladder of the same length. It is not impossible for two men to raise a fifty foot ladder by placing the bottom against a curb or building, raising the three sections together, and then extending them.

We consider this 3 EL type our most outstanding Ladder. For ruggedness and service we know of no other Ladder on the market that can in any way be compared to the 3 EL.

It is possible to raise a 65-ft. Ladder of this type in a ten-foot alley which is an impossible feat with any other Ladder not made of aluminum.

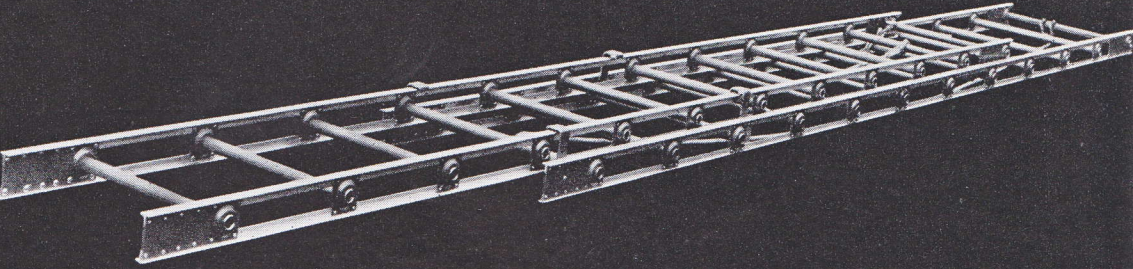
Type 3 EL Specifications

	Length	Width Over All	Thickness	Weight	Length not Extended
3 EL 1	30 Ft.	24 In.	10 $\frac{1}{4}$ In.	125 Lbs.	13 Ft.
3 EL 2	35 "	24 "	10 $\frac{1}{4}$ "	130 "	15 "
3 EL 3	40 "	24 "	10 $\frac{1}{4}$ "	144 "	17 "
3 EL 4	45 "	24 "	10 $\frac{1}{4}$ "	162 "	19 "
3 EL 5	50 "	24 "	10 $\frac{1}{4}$ "	180 "	20 "
3 EL 6	55 "	24 "	10 $\frac{1}{4}$ "	195 "	22 "
3 EL 7	60 "	24 "	10 $\frac{3}{4}$ "	210 "	23 "
3 EL 8	65 "	24 "	10 $\frac{3}{4}$ "	230 "	25 "

Patent No. 2040977

Light Duty Extension Ladders

TYPE LDL



Type LDL Ladders are made for users who demand an extremely light-weight Ladder of considerable strength. This type Ladder weighs only approximately one and one-quarter ($1\frac{1}{4}$) pounds per foot of length and when extended and raised, will support three men in safety.

These Ladders are made up from two single Wall Ladders, the fly Ladder supplied with locks. Pulleys and ropes are supplied with Type LDL. These Ladders all have corrugated rungs spaced 14 inches apart. They may be had in narrower widths, if desired.

This Ladder supplies a definite need where lightness is paramount. It is not intended that Type LDL be used for heavy duty work.

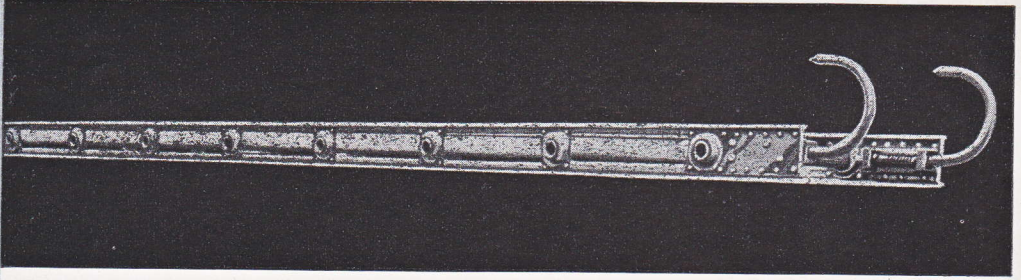
Type LDL Specifications

	Length	Width	Weight	Thickness	Length not Extended
LDL 1	16 Ft.	18 In.	22 Pounds	$6\frac{1}{2}$ In.	8 Ft.
LDL 2	20 "	18 "	26 "	$2\frac{1}{2}$ "	10 "
LDL 3	24 "	24 "	30 "	$6\frac{3}{4}$ "	12 "
LDL 4	28 "	24 "	34 "	$6\frac{3}{4}$ "	14 "
LDL 5	32 "	24 "	42 "	$6\frac{3}{4}$ "	16 "
LDL 6	36 "	24 "	48 "	7 "	18 "

Patent No. 2040977

Roof Ladders

TYPE RL



Our RL Type Aluminum Ladder is the recognized leader in roof ladders, because they are fireproof, strong, and readily handled.

The 1¼ inch corrugated rungs are spaced 14 inches apart. All RL Ladders are equipped with folding hooks.

If so desired this type is available in narrower widths than shown below at no additional cost.

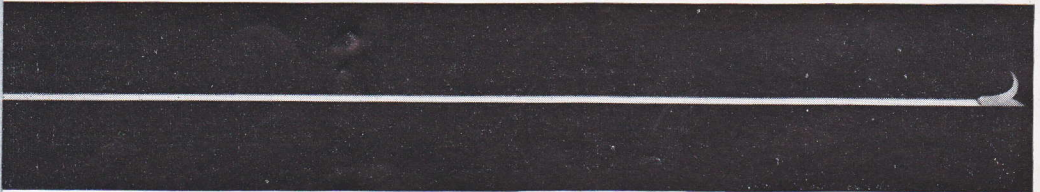
Type RL Ladders are made of lighter material than our Wall Ladders and are ideal for bridging across hot floors or roofs.

Type RL Specifications

	Length	Width	Thickness	Approx. Wgt.
RL 1	12 Ft.	16 In.	3¾ In.	16 Pounds
RL 2	14 "	16 "	3¾ "	18 "
RL 3	16 "	16 "	3¾ "	20 "
RL 4	18 "	18 "	4 "	28 "
RL 5	20 "	18 "	4 "	38 "
RL 6	22 "	18 "	4¼ "	46 "
RL 7	24 "	18 "	4¼ "	54 "

Patent No. 2040977

Pike Poles



Aluminum Pike Poles are available in four sizes, all carried in stock. The Poles are made from a strong aluminum alloy tubing. The ends are of steel forging, which gives you a very light but very strong pike pole. Special lengths supplied if desired.

They are made in the following lengths: No. 1, 8 Ft.; No. 2, 10 Ft.; No. 3, 12 Ft.; No. 4, 14 Ft.

Folding Ladders

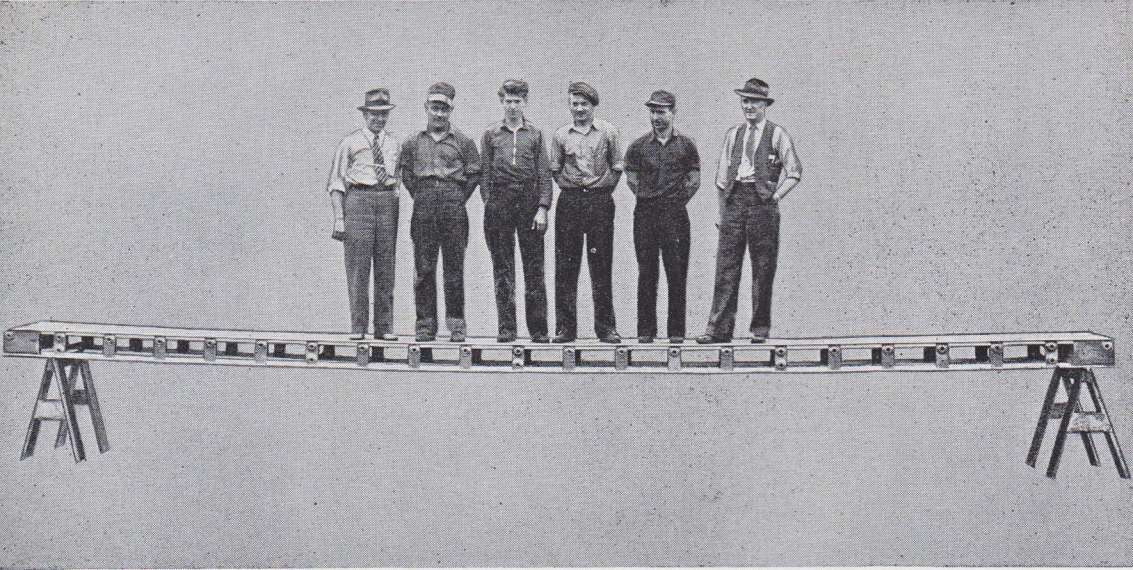
TYPE FL



These Folding Ladders have been found very valuable and have many uses. They can be used in places that are inaccessible to standard type Ladders, such as getting up and down narrow stairways to fight fires in ceilings and partitions.

FL Type Ladders are made in ten (10) foot lengths and fold to $2\frac{1}{4} \times 2\frac{3}{4}$ inches.

STAGE



The above Stage, 25 feet in length, is supporting 1055 pounds and shows a deflection of only 2 inches. All Aluminum Stages are covered with straight grain spruce.

Stages can be supplied up to 24 inches wide.

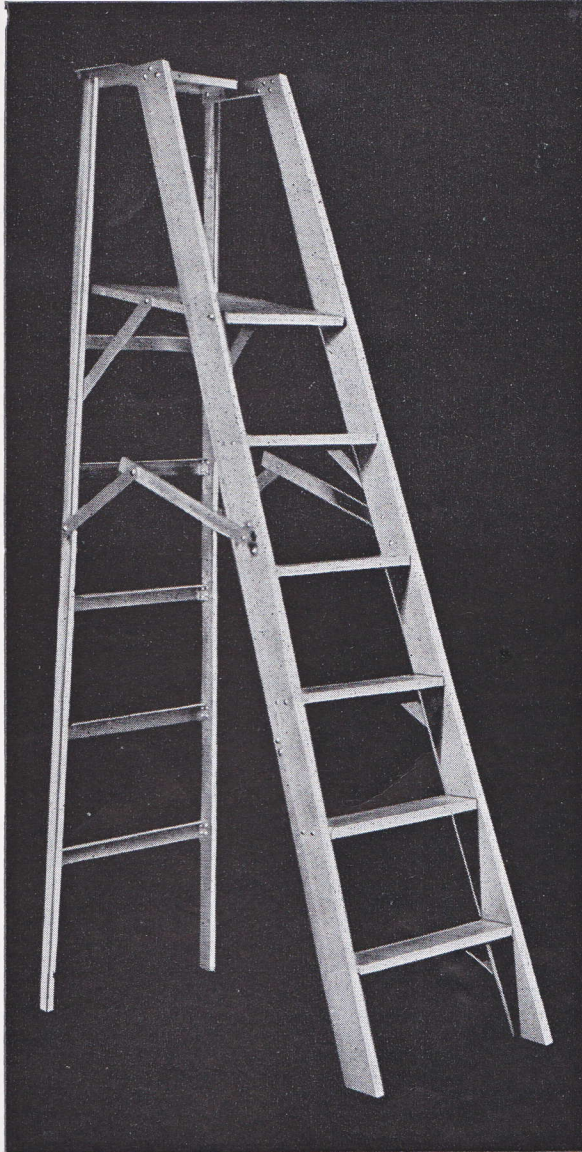
Stage Specifications

	Length 8 Ft.	Capacity 500 Pounds	Weight 20 Pounds	Width 12 In.
PL 1				
PL 2	10 "	500 "	25 "	12 "
PL 3	12 "	500 "	30 "	12 "
PL 4	14 "	500 "	35 "	12 "
PL 5	16 "	1000 "	46 "	14 "
PL 6	18 "	1000 "	52 "	14 "
PL 7	20 "	1000 "	58 "	14 "
PL 8	25 "	1000 "	65 "	14 "

Patent No. 2040977

Step Ladders

Industrial Platform Type No. 401



The Industrial Platform-type Ladder shown above is listed as our 6-foot size. It measures, however, 90 inches from the top platform to the floor.

It is very rigidly constructed and is in every way a heavy duty Ladder ideal for breweries, distilleries and dairies as well as being absolutely safe for use around refineries and powder plants.

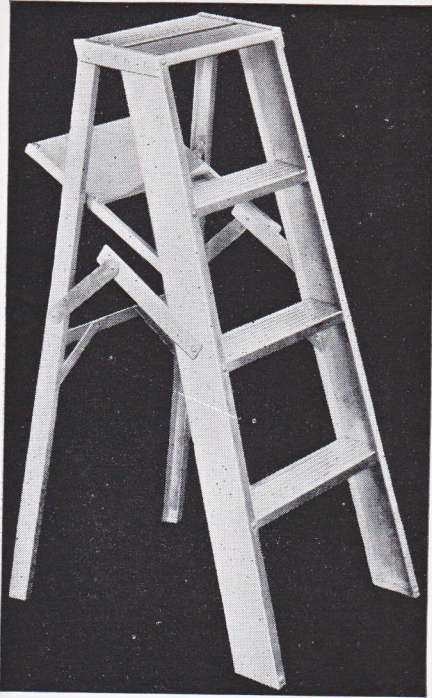
Patents Pending

Step Ladders

Industrial Type

No. 100

No. 101



This actual photo (to the right) graphically demonstrates the strength of the Aluminum Stepladder.

The combined weight on this model 101 was 652 pounds. Engineers state that it could easily have supported twice this weight.



Industrial Type Specifications

Model	Height	Bottom Width	Top Width	Weight
100	4 Ft.	18 Inches	15 Inches	12 Lbs.
101	6 "	20 "	15 "	18 "
102	8 "	22 "	15 "	24 "

Industrial Platform Type Specifications

(Illustrated Page Eleven)

Model	Height	Bottom Width	Top Width	Platform Size	Weight
400	4 Ft.	18 Inches	15 Inches	15x22 Inches	14 Lbs.
401	6 "	20 "	15 "	15x22 "	20 "
402	8 "	22 "	15 "	15x22 "	26 "

Patent Pending

Step Ladders

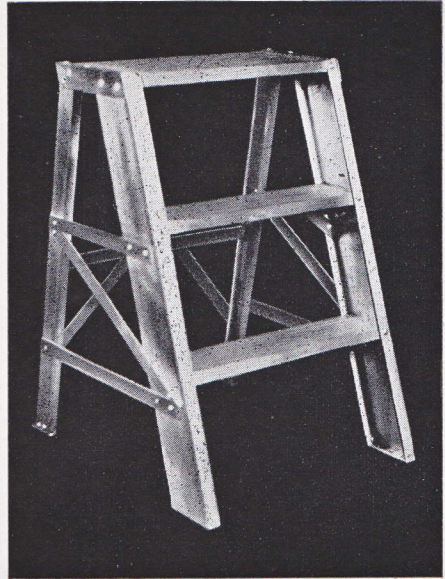
Solid Type

No. 201



This model is found very useful for libraries, bank vaults, offices and stores. Specifications as well as additional illustrations of this type Aluminum Ladder appear on Page Fourteen.

No. 202



ALUMINUM STEP LADDERS HAVE MANY ADVANTGES OVER LADDERS OF OTHER MATERIALS

They are absolutely sanitary, non combustible, impervious to all weather conditions, and need only be washed or scalded with steam to restore them to their original appearance, thus making them ideal equipment for food manufacturers, dairies, breweries, distilleries, as well as for home use. Since Aluminum cannot throw a spark, many powder plants and refineries are safeguarding life and property with this new development in Step Ladder construction. Employees as well as employers appreciate that with a freedom from splinters the danger of infection with its resultant toll of life and limb as well as loss of time is entirely eliminated where Aluminum Ladders are used exclusively.

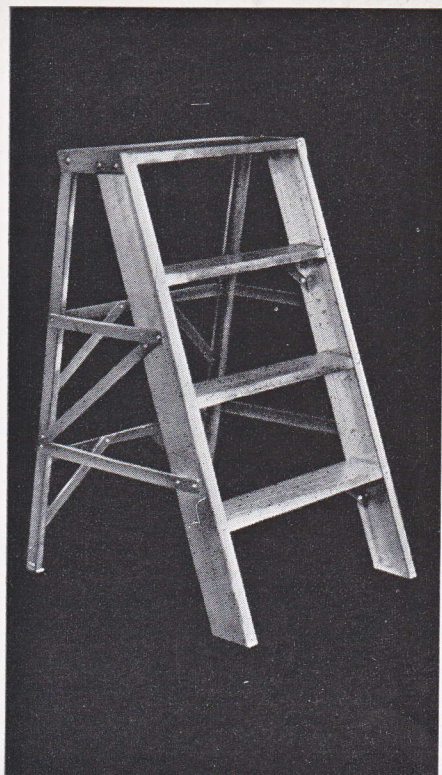
Despite their strength and ruggedness all types of Aluminum Ladders are surprisingly light and may be handled with ease.

Patents Pending

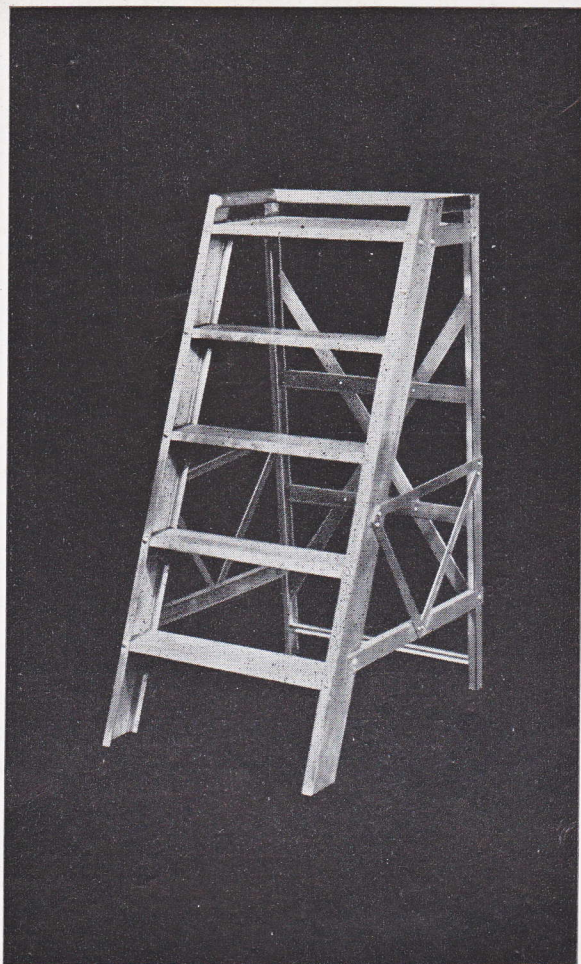
Step Ladders

Solid Type

No. 203



No. 204



Solid Type Specifications

Model	Height	Width	No. Steps	Width of Platform	Weight
201	16 Inches	16 Inches	2	8 Inches	6 Lbs.
202	24 "	18 "	3	8 "	7½ "
203	32 "	18 "	4	8 "	9 "
204	46½ "	22 "	5	11 "	20 "
205	48 "	22 "	5	26 "	26 "

Patent Pending

Step Ladders

Store and Household Type



Store and Household Type Specifications

Model	Height	Bottom Width	Top Width	Weight
300	4 Ft.	18 Inches	15 Inches	10 Lbs.
301	6 "	20 "	15 "	15 "

This type of Ladder will support 1000 Pounds of distributed load.

Every home and store needs a Ladder of this type. They are a boon to every housewife and clerk being extremely easy to handle. Free from splinters and so durable for stores and household use as to last several times longer than ordinary Ladders.

Patent Pending



IN CONCLUSION

The Aluminum Ladders shown in this catalog are our present standard models. Our engineers are at work constantly developing new models and are available to build any type of Aluminum Ladder to your own specifications should you so desire.

All models are made from Alcoa Aluminum 51ST Alloy, made under laboratory supervision insuring you the best product possible to manufacture.

Special finishes are available for department stores, etc., and for conditions where exposed to salty atmosphere.

For strength, durability, lightness, safety and all around practical use we are satisfied our Aluminum Ladders have no equal and we invite your inquiry or suggest you contact our nearest representative.